INSTITUTE OF ENGINEERING AND TECHNOLOGY (IET)

Department of Computer Science Engineering

CS1213-Advance Data Structure and Algorithm

B & B+ Tree

Submitted to:

Mr. Santosh Kumar

Submitted by:

Sharma Rohan Naresh
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(Group 7)

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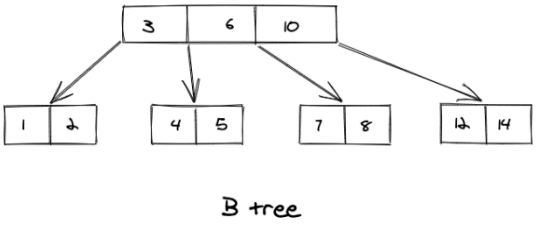
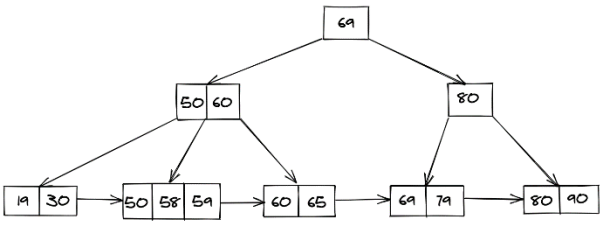
- Difference between B and B+ tree

	B Tree	B+ Tree
1.	Data(value) can be stored in an internal or a leaf node.	Data is stored only in leaf node and key is stored in internal node.
2.	Leaf nodes are not linked.	Leaf nodes are linked to form linked list.
3.	Deletion of value is not easy, as the value which is needed to be deleted can be present either in internal node or leaf node.	Deletion of value is easy as it is in leaf node.
4.	No copies of a single value can be found.	Copies of the value can be found.
5.	Searching is slower because data can be present in the internal node as well as in leaf node.	Searching is faster as compared to the B tree because the data value is present in the leaf node.
6.	B tree of order 4.  B tree	B+ Tree of order 4.  B+ tree of order 4

END!